There for

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/07508 CLASSIFICATION OF SUBJECT MATTER IPC(7) A61B 5/05 600/547 US CL According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED В. Minimum documentation searched (classification system followed by classification symbols) U.S.: 600/547, 526, 536, 508, 509, 515, 516, 506, 546, 481, 486, 500, 504, 528; 607/27, 28, 32 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet DOCUMENTS CONSIDERED TO BE RELEVANT C. Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X, P US 6,561,986 B2 (BAURA et al) 13 May 2003 (13.05.2003), See whole document. 1,3-17,22-26 Y 2 Y US 2002/022787 A1 (TAKEHARA et al) 21 February 2002 (21.02.2002), See whole 2 A US 5,280,429 A (WITHERS) 18 January 1994 (18.01.1994), See whole document. 1-26 A US 6,339,722 B1 (HEETHAAR et al) 15 January 2002 (15.01.2002), See whole 1-26 document. Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "A" document defining the general state of the art which is not considered to be of particular relevance "X" document of particular relevance; the claimed invention cannot be earlier application or patent published on or after the international filing date considered novel or cannot be considered to involve an inventive step "E" when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to "Y" establish the publication date of another citation or other special reason (as document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination document referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art document published prior to the international filing date but later than the priority date claimed document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report **01** FEB 2006

Authorized officer

Telephone No. (703) 308-0858

Brian Szmal

Form PCT/ISA/210 (second sheet) (July 1998)

Alexandria, Virginia 22313-1450

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US

> Commissioner for Patents P.O. Box 1450

02 July 2004 (02.07.2004)

Facsimile No. (703) 305-3230

	PCT/US04/07508
INTERNATIONAL SEARCH REPORT	
	I
	[
Continuation of B. FIELDS SEARCHED Item 3:	
Continuation of B. FIELDS SEARCHED Item 5:	- short injection measurement measure values
WEST: impedance, bioimpedance, edema, fluid, blood, electrodes, shock, memo ECG, EKG, Fourier, waveform	ry, chest, injection, measurement, measure, voidine,
BCO, BCO, Pouner, wavelorin	
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PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D	2	2	JUN	2008
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Applicant's or agent's file reference	FOR FURTHER ACT	TION	See Form PCT/IPEA/416
31030-3:2 International application No.	International filing date (a	day(month hings)	Dringity data (dry/wayth/wayth
, ,	(Priority date (day/month/year)
PCT/US04/07508 International Patent Classification (IPC)	or national classification and		14 March 2003 (14.03.2003)
IPC: A61B 5/05(2006.01)			
USPC: 600/547			
Applicant			
SHOCK, LLC			
Examining Authority unde	r Article 35 and transmit	ted to the applicant a	
2. This REPORT consists of	a total of <u>3</u> sheets, incl	uding this cover shee	t.
This report is also accomp	anied by ANNEXES, cor	nprising:	
a. (sent to the applica	nt and to the Internation	al Bureau) a total of	sheets, as follows:
this report a		ectifications authoriz	ave been amended and are the basis of zed by this Authority (see Rule 70.16
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.			
, containir	ng a sequence listing as Supplemental Box Re	nd/or tables related	and number of electronic carrier(s)) thereto, in electronic form only, as e Listing (see Section 802 of the
4. This report contains indica	tions relating to the follo	wing items:	
Box No. I B	x No. I Basis of the report		
Box No. II Pr	riority		
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
• —			
	No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
	Certain documents cited		
Box No. VII Co	Box No. VII Certain defects in the international application		
Box No. VIII Co			
Date of submission of the demand Date of completion of this		of this report	
13 October 2004 (13.10.2004)		31 May 2006 (31.05.2006)	
Name and mailing address of the IPEA/ I	JS	Authorized officer	08
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Brian Szmal Sha	nent ! Theere Jos
P.O. Box 1450 Alexandria, Virginia 22313-1450		•	
Facsimile No. (571) 273-3201 Telephone No. (703) 308-0858		308-0858	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/US04/07508	

Box No. I Basis of the report
1. With regard to the language, this report is based on:
the international application in the language in which it was filed.
a translation of the international application into, which is the language of a translation furnished for the purposes of:
international search (under Rules 12.3 and 23.1(b))
publication of the international application (under Rule 12.4(a))
international preliminary examination (under Rules 55.2(a) and/or 55.3(a))
2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):
the international application as originally filed/furnished
the description:
pages 1-22 as originally filed/furnished
pages* NONE received by this Authority on pages* NONE received by this Authority on received by the received by this Authority on received by the received by th
the claims:
pages 23-27 as originally filed/furnished
pages* NONE as amended (together with any statement) under Article 19
pages* NONE received by this Authority on
pages* NONE received by this Authority on
the drawings: pages 1-5 as originally filed/furnished
pages* NONE received by this Authority on
pages* NONE received by this Authority on
a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
the description, pages
the claims, Nos.
the drawings, sheets/figs
the sequence listing (specify):
any table(s) related to the sequence listing (specify):
* If item 4 applies, some or all of those sheets may be marked "superseded."
orm PCT/IPEA/409 (Box No. 1) (April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/07508

1. Statement	recte 35(2) with regard to novelty, inventive splanations supporting such statement	
Novelty (N)	Claims 1-26	
	Claims NONE	YES NO
Inventive Step (IS)	Claims 1-26	
	Claims NONE	YES
Industrial Applicability (IA)	Claims 1-26	
	Claims NONE	YES NO

Claims 1-26 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest positioning a set of injection electrodes and a set of measurement electrodes to define injection vectors and measurement vectors, and deriving form each of the pairs of the injection and measurement vectors a bioimpedance value of the region of the anatomical space.

Claims 1-26 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/IPEA/409 (Box No. V) (April 2005)